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0001/PTO Rev. 10/95	U.S. Department of Commerce Patent and Trademark Office		
		Application Number	10/655,564
		Filing Date	September 3, 2003
		First Named Inventor	Adriana Dumitras
		Group Art Unit Number	Not yet known
		Examiner Name	Not yet known
Total Number of Pages in This Submission	5*	Attorney Docket Number	18602-08204

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REMARKS: *Number of pages does not include cited references	

<b>SIGNATURE OF ATTORNEY OR AGENT</b>	
Signature:	
Attorney/Reg. No.:	Amir H. Raubvogel, Reg. No.: 37,070
Dated:	December 8, 2003

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I hereby certify that this correspondence, including the enclosures identified above, is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below. If the Express Mail Mailing Number is filled in below, then this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service pursuant to 37 CFR 1.10.			
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18602/08204/DOCS/1396702.1



# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Adriana Dumitras and Barin G. Haskell  
APPLICATION NO.: 10/655,564  
FILING DATE: September 3, 2003  
TITLE: Look-Ahead System and Method for Pan and Zoom Detection in Video Sequences  
EXAMINER: Not yet known  
GROUP ART UNIT: Not yet known  
ATTY. DKT. NO.: 18602-08204

## CERTIFICATE OF MAILING

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Dated: December 8, 2003

By: 

Amir H. Raubvogel, Reg. No.: 37,070

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## INFORMATION DISCLOSURE STATEMENT Under 37 CFR §§ 1.56 and 1.97-98

SIR:

Pursuant to the provisions of 37 CFR §§ 1.56 and 1.97-98, enclosed herewith is modified form PTO/SB/08A listing references for consideration by the Examiner. Enclosed is a copy of each listed reference that may be material to the examination of this application, and for which there may be a duty to disclose.

The filing of this Information Disclosure Statement shall not be construed as a representation regarding the completeness of the list of references, or that inclusion of a reference in this list is an admission that it is prior art or is pertinent to this application, or that a search has been made, or as an admission that the information listed is, or may be considered to be, material to patentability, or that no other material information exists, and shall not be construed as an admission against interest in any manner.

This Information Disclosure Statement is being filed:

- within three months of the filing date of the application, or date of entry into the national stage of an international application, or before the mailing date of a first office action on the merits, whichever event last occurred;
- before the mailing of a first official action after the filing of a request for continued examination (RCE) under 37 CFR § 1.114;

- after three months of the filing date of this national application or the date of entry of the national stage in an international application, or after the mailing date of the first official action on the merits, whichever event last occurred, but before the mailing date of the first to occur of either: (1) a final action under 37 CFR §1.113; or (2) an action that otherwise closes prosecution in the application, and:
  - attached hereto is the fee set forth under 37 CFR §1.17(p) for submission of this Information Disclosure Statement under 37 CFR. § 1.97(c); OR
  - Applicant certifies pursuant to 37 CFR § 1.97(e) that:
    - each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; OR
    - no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement;
- on or before the payment of the issue fee but after the mailing date of the first to occur of either: (1) a final action under 37 CFR § 1.113; (2) a notice of allowance under 37 CFR § 1.311; or (3) an action that otherwise closes prosecution in the application, and:
  - Applicant certifies pursuant to 37 CFR. § 1.97(e) that:
    - each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; or
    - no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of

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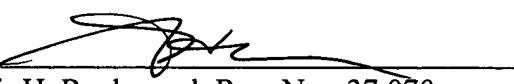
information contained in this Statement was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement; AND

- attached hereto is the fee set forth under 37 CFR §1.17(p) for submission of this Information Disclosure Statement under 37 CFR. § 1.97(c); OR
- after the payment of the issue fee. Applicant requests that the information contained in this Information Disclosure Statement be placed in the file according to 37 CFR § 1.97(i), although the information may not be considered by the USPTO.
- This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior application No. \_\_\_\_\_, filed on \_\_\_\_\_, and the references cited therein are hereby referenced, but are not required to be provided in this application under 37 CFR § 1.98(d).
- Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application, and the communication was not received by any individual designated in 37 CFR § 1.56(c) more than thirty days prior to the filing of this Information Disclosure Statement. 37 CFR § 1.704(d).
- Applicant submits that no fee is required for the consideration of this Information Disclosure Statement.

Consideration of the listed references and favorable action are solicited.

Respectfully submitted,  
Adriana Dumitras and Barin G. Haskell

Dated: December 8, 2003

By:   
Amir H. Raubvogel, Reg. No.: 37,070  
Fenwick & West LLP  
Silicon Valley Center  
801 California Street  
Mountain View, CA 94041  
Tel.: (650) 335-7276  
Fax: (650) 938-5200

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Substitute for form 1449A/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application No.	10/655,564
				Filing Date	September 3, 2003
				First Name & Inventor	Adriana Dumitras
				Art Unit	Not yet known
				Examiner Name	Not yet known
Sheet	1	of	1	Attorney Docket Number	18602-08204

*OCT 12 2003 JC28*

*U.S. PATENT & TRADEMARK OFFICE*

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document No.	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number – Kind Code <sup>2</sup> (if known)		
		US-		

**OTHER REFERENCES – NON-PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>6</sup>
		PATRICK BOUTHEMY, MARC GELGON, and FABRICE GANANSIA, "A Unified Approach to Shot Change Detection and Camera Motion Characterization," IEEE Transactions on Circuits and Systems for Video Technology, Vol. 9, No. 7, pp. 1030-1044, October 1999.	
		FREDERIC DUFAUX and JANUSZ KONRAD, "Efficient, Robust, and Fast Global Motion Estimation for Video Coding," IEEE Transactions on Image Processing, Vol. 9, No. 3, pp. 497-501, March 2000.	
		HIROHISA JOZAWA, KAZUTO KAMIKURA, ATSUSHI SAGATA, HIROSHI KOTERA, and HIROSHI WATANABE, "Two-Stage Motion Compensation Using Adaptive Global MC and Local Affine MC," IEEE Transactions on Circuits and Systems for Video Technology, Vol. 7, No. 1, pp. 75-85, February 1997.	
		MPEG and ITU-T, "Joint Final Committee Draft of Joint Video Specification ISO/IEC/JTC1/SC29/WG11 (MPEG) 14496-10 and ITU-T Rec. H.264," Geneva, 242 pages, October 2002.	
		GAGAN B. RATH and ANAMITRA MAKUR, "Iterative Least Squares and Compression Based Estimations for a Four-Parameter Linear Global Motion Model and Global Motion Compensation," IEEE Transactions on Circuits and Systems for Video Technology, Vol. 9, No. 7, pp. 1075-1099, October 1999.	
		YAP-PENG TAN, DREW D. SAUR, SANJEEV R. KULKARNI, and PETER J. RAMADGE, "Rapid Estimation of Camera Motion from Compressed Video with Application Video Annotation," IEEE Transactions on Circuits and Systems for Video Technology, Vol. 10, No. 1, pp. 133-146, February 2000.	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.

Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.